

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/812655.app.	US-PGPU B; USPAT	OR	ON	2006/11/13 11:36
S2	1298	"least common multiple"	US-PGPU B; USPAT	OR	ON	2006/11/09 12:11
S3	115	S2 near10 (track\$4 pitch width)	US-PGPU B; USPAT	OR	ON	2006/11/09 12:11
S4	4	S3 near10 (beam light)	US-PGPU B; USPAT	OR	ON	2006/11/09 12:12
S5	6	S3 and "369".clas.	US-PGPU B; USPAT	OR	ON	2006/11/09 12:13
S6	147763	(side track\$4) near3 (beam light)	US-PGPU B; USPAT	OR	ON	2006/11/09 12:19
S7	25415	(disc disk media) near3 format	US-PGPU B; USPAT	OR	ON	2006/11/09 12:19
S8	187	S6 same S7	US-PGPU B; USPAT	OR	ON	2006/11/09 12:19
S9	28300	track\$4 near3 (pitch width)	US-PGPU B; USPAT	OR	ON	2006/11/09 12:19
S10	17	S8 same S9	US-PGPU B; USPAT	OR	ON	2006/11/09 12:20
S11	10777	common near2 multipl\$3	US-PGPU B; USPAT	OR	ON	2006/11/09 12:22
S12	3	S11 near10 S6	US-PGPU B; USPAT	OR	ON	2006/11/09 12:22
S13	1	("6219316").PN.	US-PGPU B; USPAT; USOCR	OR	OFF	2006/11/09 12:23
S14	7	("4449215"   "4686663"   "4737946"   "5235583"   "5708636"   "5815473"   "5917790").PN. OR ("6219316").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/14 10:15
S15	7	((("6493296") or ("6507009") or ("6064637") or ("6285635") or ("5914925") or ("6292453") or ("6424606"))).PN.	US-PGPU B; USPAT; USOCR	OR	OFF	2006/11/09 12:42

## EAST Search History

S16	11615	common near2 multipl\$3	US-PGPU B; USPAT; EPO; JPO	OR	ON	2006/11/09 12:45
S17	311	S16 near10 (track\$4 pitch width)	US-PGPU B; USPAT; EPO; JPO	OR	ON	2006/11/09 12:45
S18	15	S17 and ("3" three side) adj (beam spot)	US-PGPU B; USPAT; EPO; JPO	OR	ON	2006/11/09 12:45
S19	165199	("3" three side track\$4) near3 (beam spot)	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/09 18:57
S20	4715800	spac\$4 distance separation	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/09 18:36
S21	74502	track\$4 near3 (pitch width S20)	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/09 18:36
S22	15525	S19 near10 S20	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/09 18:36
S23	850	S21 same S22	US-PGPU B; USPAT	OR	ON	2006/11/09 18:36
S24	121351	(multipl\$4 plural dual) near3 (format media disc disk) (cd near10 dvd)	US-PGPU B; USPAT	OR	ON	2006/11/09 18:37
S25	39	S23 same S24	US-PGPU B; USPAT	OR	ON	2006/11/09 18:37
S26	15	S22 near10 S24	US-PGPU B; USPAT	OR	ON	2006/11/09 18:56
S27	76466	side near3 (beam spot)	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/09 18:58

## EAST Search History

S28	144434	outside near3 (disc disk area region)	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/09 18:58
S29	30	S27 near6 S28	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/09 18:58
S30	9	S29 and "369".clas.	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/09 19:00
S31	4	S27 near6 ((edge boundary border) near3 (disc disk media)) and "369".clas.	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/09 19:29
S32	23	S19 near10 ((last border boundary edge) near3 (track disc disk area region)) near10 error and "369".clas.	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/09 19:09
S33	4891	dpp (differential adj push adj pull)	US-PGPU B; USPAT	OR	ON	2006/11/09 19:36
S34	45	S33 near10 S21	US-PGPU B; USPAT	OR	ON	2006/11/09 19:37
S35	30	S34 and S24	US-PGPU B; USPAT	OR	ON	2006/11/09 19:39
S36	5	S34 same S24	US-PGPU B; USPAT	OR	ON	2006/11/09 19:37
S37	4891	dpp differential adj push adj pull	US-PGPU B; USPAT	OR	ON	2006/11/13 11:57
S38	101296	(beam spot) near4 (spac\$4 distance width)	US-PGPU B; USPAT	OR	ON	2006/11/13 11:58
S39	49	S37 same S38	US-PGPU B; USPAT	OR	ON	2006/11/13 11:58
S40	101598	(track\$4 land groove) near3 (distance width pitch spacing)	US-PGPU B; USPAT	OR	ON	2006/11/13 11:58
S41	32	S39 same S40	US-PGPU B; USPAT	OR	ON	2006/11/13 11:58
S42	227	(dpp differential adj push adj pull).ab.	US-PGPU B; USPAT	OR	ON	2006/11/13 11:57

## EAST Search History

S43	4	(S39).ab.	US-PGPU B; USPAT	OR	ON	2006/11/13 12:02
S44	38220	side near2 (beam spot)	US-PGPU B; USPAT	OR	ON	2006/11/13 14:05
S45	1513	outside near3 tracks	US-PGPU B; USPAT	OR	OFF	2006/11/13 14:05
S46	2	S44 near10 S45	US-PGPU B; USPAT	OR	OFF	2006/11/13 14:05
S47	1973	S44 near10 (edge border boundary)	US-PGPU B; USPAT	OR	ON	2006/11/13 14:06
S48	10	S47 near10 error	US-PGPU B; USPAT	OR	ON	2006/11/13 14:07
S49	4891	dpp (differential adj push adj pull)	US-PGPU B; USPAT	OR	ON	2006/11/13 14:07
S50	18849	track near3 (edge border boundary outside)	US-PGPU B; USPAT	OR	ON	2006/11/13 14:07
S51	14	S49 near10 S50	US-PGPU B; USPAT	OR	ON	2006/11/13 14:08
S52	37663	first near3 track last near3 track	US-PGPU B; USPAT	OR	ON	2006/11/13 14:08
S53	1	S52 near10 S49	US-PGPU B; USPAT	OR	ON	2006/11/13 14:08
S54	11	S49 same (only near3 main)	US-PGPU B; USPAT	OR	ON	2006/11/13 14:14
S55	81613	dpp (differential adj push adj pull) (three side) near3 (beam spot)	US-PGPU B; USPAT	OR	ON	2006/11/13 14:16
S56	508026	out\$7 near3 (edge circumference disk disc)	US-PGPU B; USPAT	OR	ON	2006/11/13 14:17
S57	447	S55 near10 S56	US-PGPU B; USPAT	OR	ON	2006/11/13 14:18
S58	18	S57 near10 error	US-PGPU B; USPAT	OR	ON	2006/11/13 14:20
S59	133	S49 near10 (main near3 (beam spot))	US-PGPU B; USPAT	OR	ON	2006/11/13 14:20
S60	12	S59 same (switch\$4 chang\$4)	US-PGPU B; USPAT	OR	ON	2006/11/13 14:23

## EAST Search History

S61	50	S55 near10 (main near3 (beam spot)) near10 (switch\$4 chang\$4)	US-PGPU B; USPAT	OR	ON	2006/11/13 14:24
S62	24	S61 and "369".clas.	US-PGPU B; USPAT	OR	ON	2006/11/13 14:27
S63	1	("6580670").PN.	US-PGPU B; USPAT; USOCR	OR	OFF	2006/11/13 14:28
S64	1011514	abnormal\$4 error	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/14 10:16
S65	5396411	switch\$4 chang\$4 select\$4	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/14 10:17
S66	111238	dpp differential adj push adj pull (three "3" side) adj3 (beam spot)	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/14 10:17
S67	75781	main near3 (beam spot) push adj pull	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/14 10:18
S68	233	S64 same S65 same S66 same S67	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/14 10:21
S69	99	S66 near10 S65 near10 S67	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/14 10:30
S70	20	S69 near10 S64	US-PGPU B; USPAT; USOCR	OR	ON	2006/11/14 10:30